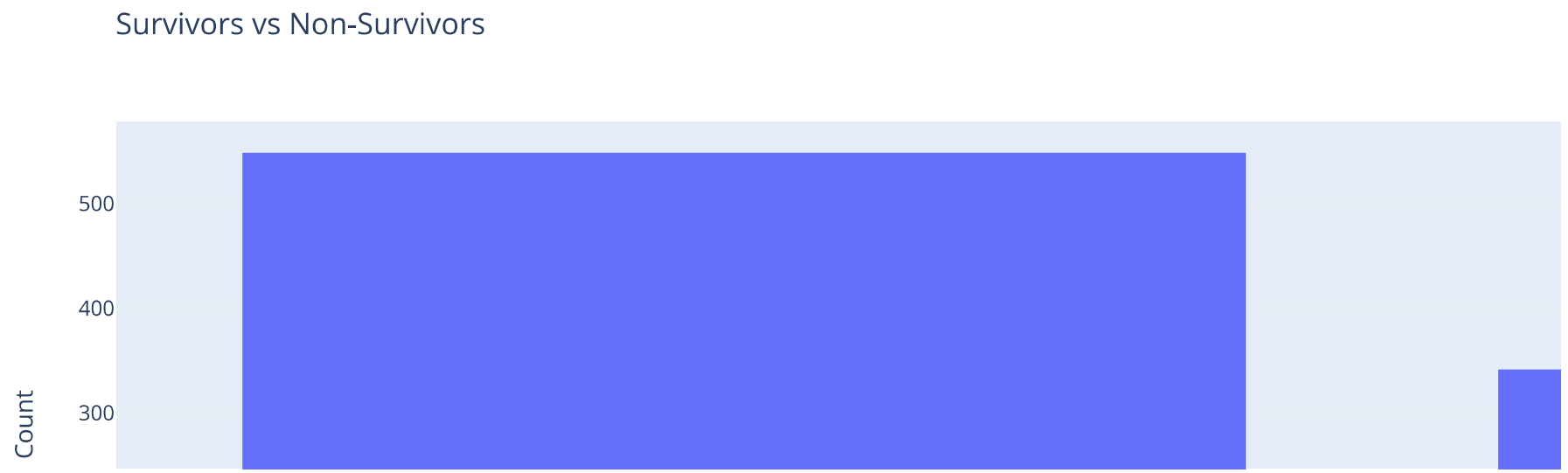
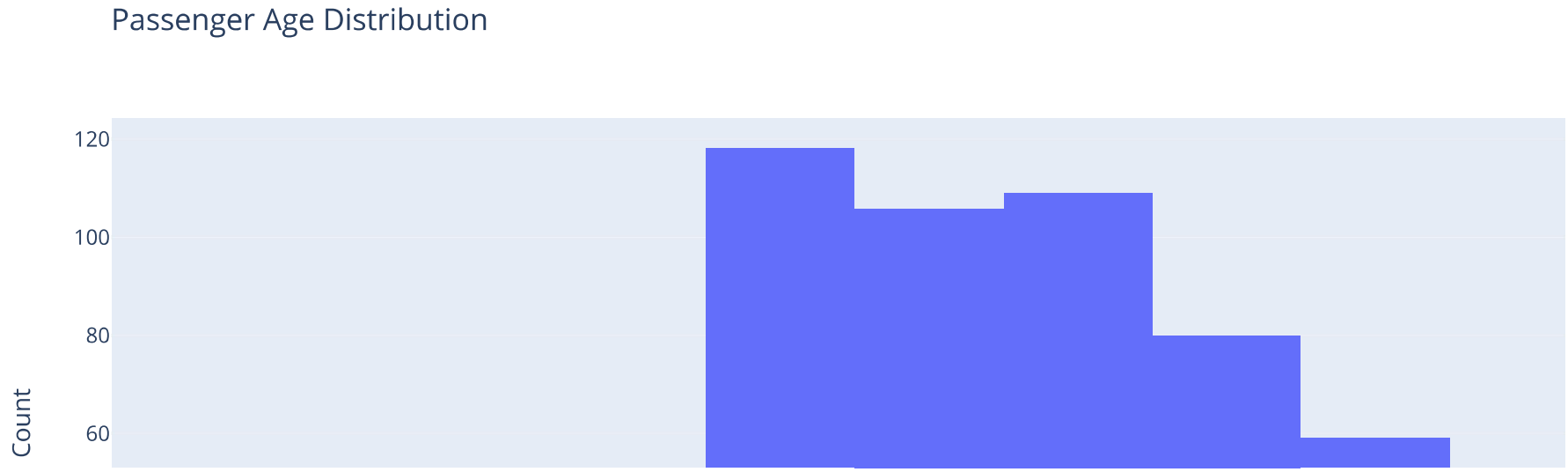
In [1]:
```
import plotly.graph_objects as go
import pandas as pd
```

In [3]:
```
# Load the data into a pandas dataframe
df = pd.read_csv('C:\\Users\\EagleCORS\\OneDrive\\Desktop\\ADS assinment 6\\ADS-Assignment-5\\Titanic Data.csv')
```

In [4]:
```
# Create a bar chart of the number of survivors vs non-survivors
survival_counts = df['Survived'].value_counts()
fig = go.Figure([go.Bar(x=['Did not survive', 'Survived'], y=survival_counts)])
fig.update_layout(title='Survivors vs Non-Survivors', xaxis_title='Survival', yaxis_title='Count')
fig.show()
```

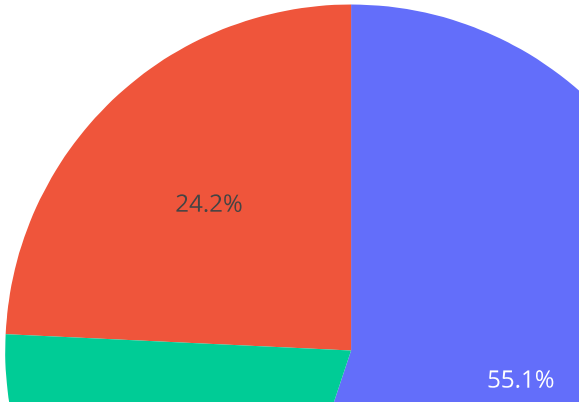


In [5]:
```
# Create a histogram of passenger ages
fig = go.Figure([go.Histogram(x=df['Age'], nbinsx=20)])
fig.update_layout(title='Passenger Age Distribution', xaxis_title='Age', yaxis_title='Count')
fig.show()
```



In [6]:
```
# Create a pie chart of the passenger class distribution
class_counts = df['Pclass'].value_counts()
fig = go.Figure([go.Pie(labels=class_counts.index, values=class_counts)])
fig.update_layout(title='Passenger Class Distribution')
fig.show()
```

Passenger Class Distribution



In [ ]: